



St. Peter's Institute of Higher Education and Research
AVADI, Chennai 600054

Details of Ongoing Research Programmes

S. No	Title and Scope of Project	Sponsoring Agency if any	Project Leader	Year in which Started	Academic Year	Year of Completion	Duration in months	Capital (in Lakhs)	Recurring (in Lakhs)	Total (in Lakhs)	Foreign Exchange (in INR)	Remarks
1	Biologically Active Heterocyclic Ligands and Metal Complexes with Antioxidant Activity	European Union, Sofia Medical University, Bulgaria	Dr. S. Gunasekaran	2022	2022-23	2025	42	99500	—	95500	995 crore	International Consortium
2	Design and Development of Thin film / Flexible-10 kW-Solar based Power System With Grid-Tie Inverter for Puzhal panchayat Union	Climate, Energy and Sustainable Technology (CEST) Department of Science and Technology New Mehrauli Road New Delhi 110 016	Dr. S. Dinesh Kumar and Dr. Arunkumar Jayakumar	2024	2023-24	2027	36	99	—	99	—	—
3	Pharmaceutical Potential of Sessuvium Portula Castrum: An In-vitro and Molecular Docking Studies	Tamil Nadu State Council for Science and Technology, DOTTE Campus, Chennai- 25 Student Project Scheme 2023-24 Project code: MS-1213	Dr.R. Selvam Assistant Professor and Ms. S. Manju Sakthi	2024	2024-25	2025	6	0.075	—	0.075	—	—
4	Non - Invasive Blood Parameter Measurement	Entrepreneurship Development and Innovation Institute, Tamil Nadu (EDII-TN), MSME Department (Government of Tamil Nadu)	Ms. B. Hemavathi and Ms. M. Fazilath	2025	2024-25	2026	12	2	—	2	—	—
5	Design, development and evaluation of indigenous sensors based on air quality monitoring system and data analysis using deep learning	Ministry of Environment, Forest and Climate Change of India Indira Paryavaran Bhawan New Delhi 110 003	Dr. R. Rani Hemamalini and Dr. B. Shanthini	2020	2020-21	2023	36	—	48.53	—	—	—
6	Design, synthesis and characterization of benzimidazole derivative / cnt nanocomposite for energy application	Tamil Nadu State Council for Science and Technology, DOTTE Campus, Chennai 600 025 Student Project Scheme (2024-25)	Dr. Sayeeda Sultana	2025	2024-25	2025	6	0.075	—	0.075	—	—
7	Green Charge: Reuseable Graphdyne Nanofilter for Plouride Removal and Energy Storage	Tamil Nadu State Council for Science and Technology, DOTTE Campus, Chennai 600 025 Student Project Scheme (2024-25)	Dr. R. Vennila	2025	2024-25	2025	6	0.075	—	0.075	—	—